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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re application of : Attorney Docket: RR3  
Richard REISMAN :  
Serial No. 08/982,157 : GAU: 2317  
Filed: December 1, 1997 : Examiner: K. Kim  
For: COMPUTER-IMPLEMENTED :  
TRANSPORT OF ELECTRONIC :  
INFORMATION OBJECTS :  
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March 2, 1998

Assistant Commissioner of Patents and Trademarks  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.56 WITH TECHNICAL REMARKS

S I R

Prior to issuance of the first Office Action on the above-identified application, applicant wishes to make of record the document listed on the attached PTO 1449 filed herewith pursuant to the duty of candor under 37 CFR §1.56.

Applicant's companion application No. 08/641,010 (now identified as docket No. RR2) is also cited herewith, but no copy has been filed at this time in view of its length and availability to the Office. Applicant stands ready to provide a full copy of this application, should this be needed by the Examiner. Applicant notes that cited application No. 08/641,010 is a continuation-in-part of application number 08/251,724, the parent of the present applications, and incorporates the subject matter of the present application. The claims of the application No. 08/641,010 are believed patentably distinct from those of the present application.

Applicant also notes that his claimed invention is clearly and patentably distinguished from Skeen which does not remotely suggest the use of an object manifest to control data transport, but rather addresses the particular problems that arise in fulfilling subject-dependent, subscription-based data requests, source and location unspecified (see column 76, lines 65-67). In contrast, the claimed invention usually specifies both the source and location of information objects to be transported. Furthermore, unlike Skeen, the claimed invention can provide a general-purpose service for transport of virtually any kind of data in a broad range of applications or content domains.

*Conventional web browsers.* As now claimed, the invention is clearly and

patentably distinguished from conventional Web browsers known to applicant, noting particularly the following points:

1. *Persistent storage.* The claimed invention retains objects in persistent storage for future use. In contrast, objects fetched by a Web browser are for immediate display, and are not held in persistent storage for future use or re-use, but only in a transient cache, from which they may be purged without notice to the user or control by the user.
2. *Time decoupling.* The claimed invention enables the time of activation to be decoupled from the time of transport by providing for scheduling. Furthermore, retrieval of objects to persistent storage, pursuant to the claimed invention permits the time of transport of an object to be decoupled from the time of use. In contrast previously known web browsers require immediate real-time access to the object server and do not permit requests to be deferred. Later requests for a previously requested object from storage can apparently be accommodated by conventional browsers only in a case where a previously requested object happens to remain in the cache. Furthermore, browsers known to applicant prior to applicant's claimed invention were generally not operative at all at any time that

a real-time connection was not active, and required such a connection to be made before displaying a page, even if it were in the cache.

3. *Group object transport.* Applicants' claimed invention enables groups of multiple independently specified objects, or object sets, to be transported with a single manifest-based request, without further user interaction. Known prior browsers can fetch only a single page at a time, along with any directly subordinate "inline" objects, such as images, sound clips and the like. Multiple unrelated objects or sets of unsubordinated objects require individual and repeated requests by the user.

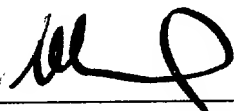
Thus, for the reasons discussed above, it is believed that the invention as now claimed is clearly and patentably distinguished from the references of record herein (including those of record on parent application 08/251,724, which the Examiner is respectfully requested to consider, see MPEP 2001.06) and any other art known to applicant.

Applicant hereby petitions under 37 CFR 1.136 or other applicable rule to have the filing period extended the number of months and/or Commissioner's action necessary to render the attached communication

timely if a petition is required.

The Commissioner is hereby authorized to charge payment of the fees associated with this communication or credit any overpayment to Deposit Account No. 08-0570.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231, on 3/2/98.

